This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

- 1. (Currently Amended) An electro-optical light modulation element comprising
  - a substrate or a plurality of substrates,
  - an electrode arrangement,
    - an element or a plurality of elements for polarisation of the light and
  - a mesogenic modulation medium, wherein
  - the light modulation element is operated at the temperature at which the modulation medium in the unaddressed state is in an optically isotropic phase and
  - the mesogenic modulation medium comprises a chiral component, component (A), which consists of one or more chiral compounds, at least one of which has an HTP of 30 µm<sup>-1</sup> or more, and
  - the mesogenic modulation medium comprises an achiral component, component
     (B), which consists of one or more achiral compounds,
  - the mesogenic modulation medium is operated at the temperature at which the light modulation element has a blue phase or
  - the mesogenic modulation medium is operated at the temperature at which the light modulation element is in the isotropic phase, wherein
  - the relative temperature dependence (dV\*<sub>10</sub>/dT) of the characteristic voltage for 10% relative contrast (V<sub>10</sub>) of the modulation medium is 30%/degree or less at a temperature of 2° above the characteristic temperature (T<sub>char.</sub>) in the range of +/-1° around this temperature.
- 2. (Previously Presented) The electro-optical light modulation element according to Claim 1, wherein
  - the electrode arrangement is able to generate an electric field having a significant component parallel to the surface of the mesogenic modulation medium.
- 3. (Previously Presented) The electro-optical light modulation element according to Claim 1, wherein
  - the mesogenic modulation medium has a blue phase.

## 4.- 6. (Cancelled)

- 7. (Previously Presented) The electro-optical light modulation element according to Claim 1, wherein
  - the relative temperature dependence (dV\*<sub>10</sub>/dT) is 23%/degree or less.
- 8. (Currently Amended) An The electro-optical light modulation element according to Claim 1, wherein comprising
  - a substrate or a plurality of substrates,
  - an electrode arrangement,
    - an element or a plurality of elements for polarisation of the light and
  - a mesogenic modulation medium, wherein
  - the light modulation element is operated at the temperature at which the modulation medium in the unaddressed state is in an optically isotropic phase and
  - the mesogenic modulation medium comprises a chiral component, component
     (A), which consists of one or more chiral compounds, at least one of which has an HTP of 30 µm<sup>-1</sup> or more, and
  - the mesogenic modulation medium comprises an achiral component, component
     (B), which consists of one or more achiral compounds,
  - the mesogenic modulation medium is operated at the temperature at which the light modulation element has a blue phase or
  - the mesogenic modulation medium is operated at the temperature at which the light modulation element is in the isotropic phase

### and a

- the characteristic voltage for 10% relative contrast (V<sub>10</sub>) at a temperature of 2° above the characteristic temperature (T<sub>char.</sub>) of the modulation medium in cells is 80 V<sub>-</sub> preferably 60 V or less.
- 9. (Previously Presented) The electro-optical light modulation element according to Claim 1, wherein
  - the mesogenic modulation medium comprises a chiral component, component (A), which consists of two or more chiral compounds.
- 10. (Currently Amended)

  An The electro-optical light modulation element according to Claim 9, wherein comprising

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- a substrate or a plurality of substrates,
- an electrode arrangement.
  - an element or a plurality of elements for polarisation of the light and
- a mesogenic modulation medium, wherein
- the light modulation element is operated at the temperature at which the modulation medium in the unaddressed state is in an optically isotropic phase and
- the mesogenic modulation medium comprises a chiral component, component (A), which consists of two or more chiral compounds, at least one of which has an HTP of 30 μm<sup>-1</sup> or more, and
- the mesogenic modulation medium comprises an achiral component, component
   (B), which consists of one or more achiral compounds,
- the mesogenic modulation medium is operated at the temperature at which the light modulation element has a blue phase or
- the mesogenic modulation medium is operated at the temperature at which the light modulation element is in the isotropic phase,

### and

 all the chiral compounds of component (A) have the same sign of the HTP at 20°C in the reference mixture.

# 11. - 12. (Cancelled)

- 13. (Currently Amended) An The electro-optical light modulation element according to Claim 1, wherein
  - a substrate or a plurality of substrates,
  - an electrode arrangement,
    - an element or a plurality of elements for polarisation of the light and
    - a mesogenic modulation medium, wherein
  - the light modulation element is operated at the temperature at which the modulation medium in the unaddressed state is in an optically isotropic phase and
  - the mesogenic modulation medium comprises a chiral component, component (A), which consists of one or more chiral compounds, at least one of which has an HTP of 30 μm<sup>-1</sup> or more, and
  - the mesogenic modulation medium comprises an achiral component, component (B), which consists of one or more achiral compounds,
  - the mesogenic modulation medium is operated at the temperature at which the

- light modulation element has a blue phase or
- the mesogenic modulation medium is operated at the temperature at which the light modulation element is in the isotropic phase

### and either

- the dielectric susceptibility ( $\varepsilon_{av}$ ) of the modulation medium at a temperature of 4 degrees above the conversion temperature from the blue phase or from the cholesteric phase into the isotropic phase is 40 or more, or preferably 55 or more.
- the optical anisotropy at a temperature of 4 degrees below the transition temperature from the cholesteric phase into the isotropic phase is 0.050 or more.
- 14. (Currently Amended) The electro-optical light modulation element of Claim +, wherein
  - the optical anisotropy at a temperature of 4 degrees below the transition temperature from the cholesteric phase into the isotropic phase is 0.050 or more, preferably 0.080 or more.
- 15. (Previously Presented) An electro-optical display containing one or more light modulation elements according to Claim 1.
- 16. (Previously Presented) The electro-optical display according to Claim 15, wherein the display is addressed by means of an active matrix.
- 17. (Previously Presented) An electro-optical display system containing one or more electro-optical displays according to Claim 15.
- 18. (Previously Presented) The electro-optical display system according to Claim 17, which is a television screen, computer monitor or as both.

## 19. - 20. Cancelled)

21. (Previously Presented) A method for the display of video signals or of digital signals or information, comprising transmitting video signals or digital signals to a display according to Claim 15.

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# 22. (Cancelled)

- 23. (Currently Amended) A mesogenic modulation medium which comprises
  - (a) a chiral component, component (A), which consists of one or more chiral compounds at least one of which has an HTP of 30 μm<sup>-1</sup> or more, and
  - (b) optionally an achiral component, component (B), which consists of one or more achiral compounds.
    - the mesogenic modulation medium is operated at the temperature at which the light modulation element has a blue phase or
    - the mesogenic modulation medium is operated at the temperature at which the light modulation element is in the isotropic phase, wherein
    - the relative temperature dependence (dV\*<sub>10</sub>/dT) of the characteristic voltage for 10% relative contrast (V<sub>10</sub>) of the modulation medium is 30%/degree or less at a temperature of 2° above the characteristic temperature (T<sub>char</sub>) in the range of +/-1° around this temperature.

# 24. - 26. (Cancelled)

- 27. (Previously Presented) A medium according to Claim 23, having a characteristic temperature in the range from 0°C to 60°C.
- **28.** (Currently Amended) A medium according to Claim 32, wherein the blue phase has a temperature range of <u>at least</u> 5 degrees or more than 5 degrees.
- 29. (Currently Amended) A medium according to Claim 28, wherein the blue phase has a temperature range of at least 10 degrees-or-more than 10 degrees.
- 30. (Previously Presented) The electro-optical light modulation element according to Claim 1, wherein component (A) consists of one or more chiral components at least one of which has an HTP of  $50 \ \mu m^{-1}$  or more.
- 31. (Previously Presented) The electro-optical light modulation element according to Claim 1, wherein component (A) consists of one or more chiral components at least one of which has an HTP of 90  $\mu m^{-1}$  or more.
- 32. (Currently Amended) A medium according to Claim 23, having a blue phase, with a characteristic temperature in the range from -20°C° 0°C°-or below to 80°C-or-above.